

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 27123		agent's file reference	FOR FURTHER ACTION	see Notific (Form PC) below.	otification of Transmittal of International Search Report PCT/ISA/220) as well as, where applicable, item 5					
International application No.			International filing date (day/month/year)		(Earliest) Priority Date (day/month/year) 12 December 2002 (12.12.2002)					
PCT/IL03/01055			11 December 2003 (11.12.2003)		12 Becomes 2002 (12:10:10:1)					
Applica RAKU	Applicant RAKUTO BIOTECHNOLOGIES LTD									
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.										
	 Basis of the Report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 									
	ַ װ	the international search wa	s carried out on the basis of a tran	slation of	the international application furnished to this					
Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:										
[\boxtimes	contained in the internation								
[\boxtimes		rnational application in computer	readable fo	orm.					
[this Authority in written form.							
		furnished subsequently to	nished subsequently to this Authority in computer readable form.							
		the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
		the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.								
2.		Certain claims were four	nd unsearchable (See Box I).							
3.		Unity of invention is lack	cing (See Box II).							
4.	With re	gard to the title,								
		the text is approved as sul		lows:						
		the text has been establish	ed by this Authority to read as fol	10 110.						
5.	With re	egard to the abstract,								
	\boxtimes	the text is approved as su	bmitted by the applicant.							
		the text has been establish may, within one month fr Authority.	ned, according to Rule 38.2(b), by om the date of mailing of this inte	this Authornational s	ority as it appears in Box III. The applicant search report, submit comments to this					
6.	The fig		published with the abstract is Figu	ire No	None of the figures					
		as suggested by the applic			None of the figures					
		because the applicant fail								
		because this figure better	characterizes the invention.							

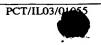
Form PCT/ISA/210 (first sheet) (July 1998)



Inte	al application No.
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PCT/ILC	3/01055
PCT/ILC	2

A. CLAS	SIFICATION OF SUBJECT MATTER	12N 1/20 0/00 0/08: C12P 21/04: C	120 1/68.					
IPC(7) : A61K 7/135; C07K 1/00; C09B 29/00, 67/02; C12N 1/20, 9/00, 9/08; C12P 21/04; C12Q 1/68, US CL : 8/524,525,641; 424/ 62; 435/6, 71.1, 183, 192, 252.3; 530/350; 534/845								
US CL : 8/524,525,641; 424/ 62; 435/6, 71.1, 183, 192, 232.3, 330/330, 334/643 According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELI	DS SEARCHED							
Minimum dos	rumentation searched (classification system followed b	y classification symbols)						
U.S.: 8/	/524,525,641; 424/ 62; 435/6, 71.1, 183, 192, 252.3; 530/350; 534/845							
01211								
	on searched other than minimum documentation to the	extent that such documents are include	d in the fields searched					
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		s I I I where presticable	search terms used)					
Electronic da	ta base consulted during the international search (name	e of data base and, where practicable,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Please See Co	ontinuation Sheet							
C. DOC	UMENTS CONSIDERED TO BE RELEVANT	Col. Il al and page 200	Relevant to claim No.					
Category *	Citation of document, with indication, where app	propriate, of the relevant passages	1, 6-20					
Y	US 3,251, 742 A SOLOWAY, S) 17 May 1966, (17	7.05.1966), Entire document,	1, 0 20					
	especially Claims 1-6 US 6,732,464 B1 (YAVER et al.) 16 April 2002 (16	04 2002) Entire document.	1-50					
Y		,,						
Y	especially, US 5,486,214 A (PASZCZYNSKI et al.) 23 January	1996 (23 01. 1996), Entire	1-68					
1	document		51-60					
Y	US 5,342, 765 A (IRVINE et al.) 30 August 1994 (3	30.08.1994), Entire Document,	31-00					
	Especially Abstract, Example 1, Claims 1-10							
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T Partha	or documents are listed in the continuation of Box C.	See patent family annex.						
	Special categories of cited documents:	"T" later document published after the	international filing date or					
	•	priority date and not in conflict wi understand the principle or theory	underlying the invention					
"A" docume	nt defining the general state of the art which is not considered to articular relevance		the claimed invention cannot be					
1	application or patent published on or after the international filing	considered novel or cannot be con-	STOCKED TO THADLAC WE WACHTAG					
"E" earlier a date	application of patent published on of actor also accounts	step when the document is taken a						
"L" docume	nt which may throw doubts on priority claim(s) or which is cited	"Y" document of particular relevance; considered to involve an inventive	the claimed invention cannot be					
to estab	lish the publication date of another citation or other special reason	numbined with one or more other	such documents, such					
(as spec		combination being obvious to a pe	1					
1	nt referring to an oral disclosure, use, exhibition or other means	"&" document member of the same pat	ent family					
	nt published prior to the international filing date but later than the		earch seports					
Date of the	actual completion of the international search	Date of mailing of the international	704					
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29 July 200	14 (29.07.2004) mailing address of the ISA/US	Authorized officer						
Name and	fail Stop PCT, Attn: ISA/US	Dr. Kailash C. Srivastava	UNDUNULU XI					
C	ommissioner for Patents	1 // ۷.0	The state of the s					
P.	.O. Box 1450 Iexandria, Virginia 22313-1450	Telephone No. (571)-272-0700	/					
Facsimile 1	No. (703) 305-3230		///					
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Continuation of B. FIELDS SEARCHED Item 3: USPT, PGPB, EPAB, JPAB, DWPI, BIOSIS, BIOTECHNO, CAPLUS, CEABA-VTB, CONFSCI, EMBASE, ESBIOBASE, USPT, PGPB, EPAB, JPAB, DWPI, BIOSIS, BIOTECHNO, CAPLUS, CEABA-VTB, CONFSCI, EMBASE, ESBIOBASE, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOST, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOST, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOST, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOST, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOST, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOST, FEDRIP, FOMAD, FROSTI, HCAPLUS, FEDRIP,	SURE
SCISEARCH, USPATFUL, WPIDS.	

Search Strategy:

Lignin peroxidase, laccase, manganese peroxidase, ligninase, ligninolytic enzymes, isoenzymes, white rot fungi, Phaenerochaete chrysosporium, Lentinus, mushroom, dye, hair, cosmetics, product\$, hair, keratin, skin, dyeing.

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